

Date: Thu, 18 Mar 93 08:05:38 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #340
To: Info-Hams

Info-Hams Digest Thu, 18 Mar 93 Volume 93 : Issue 340

Today's Topics:

75 Ohm Hardline, How to Use?
Anybody still need Aland Isl. OH0?
Boston area repeaters
Cleaning Air variable cap
Foothill hamfest disappointing
Ham only dual-bander HT?
Help 2meter j antenna
How long to get new Callsign?
Macintosh Amateur Radio Software - March 1993
Need QSL Info for V2/VE3BW
STS-55 SAREX Mission

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 18 Mar 1993 12:21:39 GMT
From: usc!elroy.jpl.nasa.gov!news.larc.nasa.gov!arbd0.larc.nasa.gov!
zawodny@network.UCSD.EDU
Subject: 75 Ohm Hardline, How to Use?
To: info-hams@ucsd.edu

In article <199303172234.AA29437@tilde.csc.ti.com> dube@cpdvax.CSc.ti.COM writes:
>Al, N1AL says:
>>.....(3/4 wave is an odd multiple of 1/4 wave.)
>
>Huh? 3/4 wave is an odd multiple, as is 1/4, etc. But since 3/4 is a
>half-wave multiple of 1/4, then it's an even multiple of 1/4 wave.

>

>73,

>Dube

AB5AP

<dube@cpdvax.csc.ti.com>

Good Grief! I think that we all agree that both 1 and 3 are odd numbers. I also think that most of us agree that 3 time 1/4 is 3/4. So that definitely make 3/4 an odd mutilpe of 1/4. I invite you to explain what a half-wave multiple of 1/4 is; my first guess might be something like 3/8.

--

Joseph M. Zawodny (K04LW)

Internet: zawodny@arbd0.larc.nasa.gov

Packet: ko4lw@wb0tax.va.usa

NASA Langley Research Center

MS-475, Hampton VA, 23681-0001

Date: 18 Mar 1993 13:15:03 +0200

From: mcsun!news.funet.fi!butler.cc.tut.fi!lehtori.cc.tut.fi!not-for-mail@uunet.uu.net

Subject: Anybody still need Aland Isl. OH0?

To: info-hams@ucsd.edu

Hello DXers!

Our local group of 5 hams is going to have another holiday in Aland Islands, OH0-land. This is the same group that was there just after christmas. Last time we made little over 5000 qsos in spite of the bad conditions, operating mostly WARC and some activity in low-bands.

Also this time all operators will be using their own call:

OH0LQK -op. Pertti, 10m ssb + some slow cw on old bands

OH0NLP -op. Jukka, all bands cw&ssb

OH0MEP -op. Pete, all bands cw&ssb, mostly WARCs & 20m RTTY

OH0MFP -op. Alpo, 10m ssb + 15m RTTY

OH0MYD -op. Marko, 80m+40m+15m+10m cw only

and perhaps

OH0/OH3NE on 6m, Jukka or Pete operating (if we can find equipments).

All qsls to homecalls in OH3-land. If You prefer direct qslling, all cards ok via BOX 179, 33101 Tampere, Finland, EUROPE. (You can include all Your cards for any of us on same envelope) or also ok via cba.

We are not yet sure about all our systems, but at least we are having:

- Butternut gp for 80/75m , 40m and 30m
- 3 el monobander yagi for 10m
- 3 el monobander yagi for 15m
- Dipole for 160m

- 3 el monobander yagi for 12m or 17m (I have both elements, but one boom)
- Cushcraft R-5 gp
- one linear (2*3-500Z tubes)
- 2* Icom IC-735
- 2* Kenwood TS-440S
- PK-232 for RTTY / Amtor
- several mast-tubes 6-10m high

We will be landing there on 3rd of april and stay until 10th-12th depending on the situation there. Our location this time will be on the easternmost island, BRANDO (IOTA EU-02), but not the same cottage where I was last august, so We don't yet know the exact situation there...

We are only having holiday there, our huge amount of stuff is only because the propagation is going to be not so good, and we are just trying to be able to get at least some qsos. Unfortunately we are not able to operate many bands on the same time, while some of us is operating, others are just building new antennas (or drinking beer...).

If someone needs Aland on any bands/modes we are willing to make skeds to help You. Just drop me a mail and ask if Your time/freq is ok!

Cu all on bands!
pete

oh3mep@cc.tut.fi
pk75978@ee.tut.fi

Date: Wed, 17 Mar 1993 21:10:40 EST
From: noc.near.net!saturn.caps.maine.edu!maine.maine.edu!io30399@uunet.uu.net
Subject: Boston area repeaters
To: info-hams@ucsd.edu

I am going to be in Boston this weekend. Does anyone have the repeaters and offsets for 2m in the area? Thanks.
Damon Kiesow N10JG

Date: Wed, 17 Mar 1993 21:12:20 -0600
From: usc!sdd.hp.com!nigel.msen.com!fmsr17!lynx.unm.edu!umn.edu!uum1!kksys.com!tdkt!FredGate@network.UCSD.EDU
Subject: Cleaning Air variable cap
To: info-hams@ucsd.edu

NG> One of the caps I picked up is a differential cap (2 sections of the

NG>size with the rotor being the common terminal to the 2 caps). Any idea why i
NG>is
NG>called a differential cap? I was thiking of building a transmatch with it.
NG>The
NG>circuit I was thiking of was the following

The circuit you posted is the classic T match circuit and does not provide any harmonic supression. I suggest you use the SPC transmatch circuit described in all the recent ARRL Handbooks. This circuit, will use your differential cap. if it is actually a dual or can be converted. The cap. you need for the SPC must have both sections increasing or decreasing the capacitance at the same time.

The advantage of the SPC circuit is that it forms a bandpass characteristic in most matching situations.

Hope this helps

73 de KA0GKC Claton Cadmus

* SLMR 2.1a * A thing worth doing well is worth doing slow!-Gypsy R.Lee

Date: Thu, 18 Mar 1993 06:49:29 GMT
From: sdd.hp.com!hpscit.sc.hp.com!hplextra!hpcss01!pollux!mlau@network.UCSD.EDU
Subject: Foothill hamfest disappointing
To: info-hams@ucsd.edu

>/ pollux:rec.radio.amateur.misc / randall@informix.com (Randall Rhea) / 6:13 pm
Mar 15, 1993 /

>I want to say first that I enjoy hamfests very much, and that
>I really appreciate the one they hold at Foothill College
>here in the Bay Area every month in the Spring and Summer.
>I'm sure that a lot of work goes into it, and I and many
...the rest deleted..

The first flea market of the year at Foothill is ALWAYS jammed packed. You should have came at 4:00am. I guess you haven't been going there for awhile. It isn't like that every month. Nothing I ever read said it was a Ham only flea market, its more of The best deals are gone by 7:00am, I usually go there around 5:30 to 6:00am and bring a flashlight. You'll be surprise how many people are running around with flash lites that early in the morning. a electronics flea market. Computers, motors, and typewrites included. If you ever have been to the electronic museum over there you'll notice its not a HAM only exhibit. (oops they moved). IMHO I think the flea market at Foothill is rather unique, there ain't nothing else like it

around here.

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*****
      /-/-/      .
      |           |      +(      Mel Lau de AB6IB
X-X |           |      1      HP California Personal Computer Division
    |___|_-_- /|\  1      Silicon Valley, California
    /         /\   |      x
/-----/      \   |      x      ....hplabs!pollux!mlau
| [ [ [ |      \   X
| #      |      |      X
*****
```

Date: Thu, 18 Mar 1993 12:32:19 GMT
From: usc!howland.reston.ans.net!gatech!usenet.ufl.edu!mlb.semi.harris.com!SU19F!
jhobson@network.UCSD.EDU
Subject: Ham only dual-bander HT?
To: info-hams@ucsd.edu

Pardon me if I've screwed up the attributions.

In article <1993Mar16.204916.11185@sj.ate.slb.com> jones@sj.ate.slb.com (Clark Jones) writes:
>Gary Coffman (gary@ke4zv.uucp) wrote:
>: In article <1993Mar9.195228.25420@sj.ate.slb.com> jones@sj.ate.slb.com (Clark Jones) writes:
>: [in repsonse to this lament]
>: >: 3) With wide band receive (which is a bug, not a feature), there is increased
>: >: intermod. You can hear a lot more, but you hear it badly. Why not
>: >: simply buy a scanner if that is your heart's desire?
>: >
>: >Because that's one more piece of junk to lug around. I've got enough stuff
>: >to carry around as it is. Besides, the use of CTCSS encoding on the output
>: >of repeaters, which allows me to use "tone squelch" on my radio, cuts out
>: >most of the intermod problems at my end in my radio on the ham bands.
>: >(Unluckily, it doesn't do anything for the pagers and other stuff interfering
>: >with my reception of the NOAA broadcast, but that isn't worth while to carry
>: >a separate radio.) Also, all of the HT's I've seen at least appear to be
>: >more ruggedly constructed than _any_ scanner I've ever seen.

[deletes]

>:All they lack to

>: be ideal ham radios is to be tuneable across the band.

>

>Uh, which do you want: super narrow front end, or tuneable? You can't have
>both in the size and weight of a reasonable HT.

[deletes]

>I'd love to have a ham-band-only mobile rig, and a mobile scanner, and a
>separate NOAA monitor, etc., in my truck, if money permitted. But when I
>have to carry equipment when I'm on foot (including through airports), I
>want as little wieght as possible consistant with being reasonably rugged,
>and still give me the frequencies that I need/want.
>

[deletes]

>Snail: Clark Jones, Schlumberger Technologies, 7855 S. River Pkwy #116, Tempe,
> AZ 85284-1825

I just purchased an Icom IC-2SRA. It has a 2 meter tranceiver and a wideband (50-950 MHz) receiver. I've not been a scanning enthusiast, but thought I'd give it a try. Intermod is not a serious problem around here. At least I'm not aware of it (maybe I'll be enlightened). I don't know the precise characteristics of the front end, but know that there is a seperate bandpass filter for the tranceiver. In fact, it's seperate everything up to the audio portion, I think. It's in a cute little package, has 30/60 normal memories for the xcvr/rcvr, plus upper and lower scan boundary memories each. I've been happy with it for the first 5 days.

Clark, maybe this is the radio for you. There's also the IC-4SRA which is the IC2-SRA with a 440 instead of 2 meter tranceiver (is that IC2-SRA - 130 cm?)

Harv
WB4NPL
jhobson@su19f.ess.harris.com

Date: Wed, 17 Mar 1993 21:12:18 -0600
From: sdd.hp.com!nigel.msen.com!fmsr17!lynx.unm.edu!umn.edu!uum1!kksys.com!tdkt!
FredGate@network.UCSD.EDU
Subject: Help 2meter j antenna
To: info-hams@ucsd.edu

Hi All,

I building a 2 meter J antenna and have a question. What type of

connector should I use at the antenna? BNC, SO-239, etc. What would you use and why?

Thanks to all that reply.

Claton Cadmus, KA0GKC

Packet: KA0GKC @ WB0GDB.#STP.MN.USA.NA
Fido Netmail: Claton Cadmus 1:282./100
Internet Email: Claton.Cadmus@f100.n282.z1.tdkt.kksys.com

* SLMR 2.1a * A thing worth doing well is worth doing slow!-Gypsy R.Lee

Date: Thu, 18 Mar 1993 14:48:02 GMT
From: beta.lanl.gov!tjf@lanl.gov
Subject: How long to get new Callsign?
To: info-hams@ucsd.edu

Hi...I upgraded to Advanced this week and requested a new callsign. Will it take 9 weeks for it to arrived, or are such things processed more quickly than a new license?

-Tom
KB6YEM/AA

Date: 18 Mar 93 15:51:41 GMT
From: news-mail-gateway@ucsd.edu
Subject: Macintosh Amateur Radio Software - March 1993
To: info-hams@ucsd.edu

Macintosh Amateur Radio Software - March 1993

The information in this list was gleaned mostly from flyers supplied by the software vendors, or in some cases from reviews in amateur radio publications. Some of the information has not been verified for a long time; please check with the vendors for the latest product specs, pricing, etc.

--Collections--

MacNet

Public-domain programs (currently on 12 disks) contributed by Macintosh packet users. Includes test preparation, contest logging, propagation prediction, satellite tracking, and amateur television. Send formatted 800K Macintosh disks with stamped, self-addressed disk mailer to John D. Seney,

WD1V, 144 Pepperidge Dr., Manchester, NH 03103. Contributions of public-domain programs are encouraged.

Project Mac

Contest logging, antenna design, satellite tracking, clip art, etc. Microsoft BASIC required for many of the programs. Most of this software is now available in the MacNet collection.

Send three formatted 800K Macintosh disks with stamped, self-addressed disk mailer to Stan Horzepa, WA1LOU, 75 Kreger Drive, Wolcott, CT 06716. (Compuserve: 70645,247)

Amateur Radio Software for Macintosh

Extensive catalog including logging, Morse code, gray line, test preparation, satellite tracking, contesting, and packet radio programs.

ZCo Corporation, P.O. Box 3720, Nashua, NH 03061.

Amateur Radio #1

Contains satellite tracking, Morse code, attenuator design, and Ohm's law calculator programs.

Kinetic Designs, P.O. Box 1646, Orange Park, FL 32067.

--Test preparation--

Ham Stacks (NOTE. The new question pool will be updated effective 7/1/93) HyperCard stacks containing the entire question pool for each license class. Can be used for preparation or generating actual tests.

If you wish to receive these PUBLIC DOMAIN stacks, please send a SASE (self addressed STAMPED envelope - 2 ounces postage = .52) and 800K diskette to the author: Diana L. Syriac, 3 Spruce Street, Hudson, NH 03051. I will no longer send out the stacks unless the envelope has sufficient postage for return mail (in general, that means .52-.98, depending on size of envelope) and for those who send a standard business envelope, I take no responsibility for the condition of the diskette through USnail.

Available via anonymous FTP from various sites, including uxc.cso.uiuc.edu (/pub/ham-radio). Author is available via Internet: dls@genrad.com

MacHam

Test generators and study aids for the Technician, General, Advanced, and Extra class written elements. Includes the complete question pool for each license.

Coyne Co., P.O. Box 2000-200, Mission Viejo, CA 92692.

--Morse code practice--

N6MZV Morse Trainer

Lets you practice any combination of letters, numbers, and/or punctuation characters. Can send user-created text files.

RT Martin, N6MZV, 10382 Orange Avenue, Cupertino, CA 95014. Also available

via anonymous FTP from ftp.apple.com (/pub/ham-radio). Shareware.

Morse Tutor

Sends random groups of letters, numbers, and/or punctuation characters.
Available via anonymous FTP from ftp.apple.com (/pub/ham-radio). Or send formatted 800K Macintosh disk with stamped, self-addressed return disk mailer to Jack Brindle, WA4FIB, 726-175th Street SW, Bothell, WA 98012; Compuserve: 73365,606.

Morse Mania

Designed for those already familiar with Morse code who want to improve their speed. Allows code practice at various speeds and audio pitches. Can generate random sequences or play the contents of user-created text files.
Freeware.

Available via anonymous FTP from whirlwind.stanford.edu (/pub). Contact Edward Plumer, KM6IQ, for more information; Internet: plumer@isl.stanford.edu.

MacMorse

Randomly sends chosen characters. Lets you create your own practice files.
David A. Kall, 700 Marine Parkway #314, New Port Richey, FL 34652.

MacMorse v1.2

MacMorse is designed to help you learn Morse code and improve your receiving speed. It has several ways that it can send letters and punctuation.
Shareware.

Doug Havenhill, Dynamics and Control, 7143 West Sunnyside Drive, Peoria, AZ 85345.

MacSamuel

Sends random words, random character groups, and user-created text files. Can also create simulated QSOs with randomly generated text and callsigns.
Avant Systems, P.O. Box 5437, Pittsburgh, PA 15206.

Zihua Morse

Designed to teach Morse code to beginners and to improve the accuracy and speed of advanced users. Responses can be typed into the computer; the program will calculate accuracy and timing statistics for each session. Optional speech synthesizer reads the characters out loud for an accuracy check.

Zihua, P.O. Box 51601, Pacific Grove, CA 93950.

Sparks-II

More Code training program.

Available for anonymous ftp at rahul.net /pub/davidj/radio

--Packet and other digital modes--

Allows simultaneous TCP/IP, AX.25, and NET/ROM connections. Requires a TNC with KISS mode. Copyright, but free for noncommercial use.

Available via anonymous FTP from ftp.apple.com (/pub/ham-radio); and on the Digikron Systems, WB3FFV, and N8EMR dialup BBSs. Or send a formatted 800K Macintosh disk with stamped, self-addressed disk mailer to Doug Thom, N6OYU, 1405 Graywood Drive, San Jose, CA 95129.

Adam van Gaalen, PA2AGA, (Internet: adam@IGG.TNO.NL) has been making modifications to NET/Mac. His version is available via anonymous FTP from ucsd.edu (/hamradio/packet/tcpip/pa2aga).

IM/Mac

Mailer program for use with the SMTP protocol. Alternative to the BM program that comes with NET/Mac. Written by Ivo van Ursel, ON1XK.

Available via anonymous FTP from ucsd.edu (/hamradio/packet/tcpip/pa2aga).

SoftKiss

Control panel device that emulates a TNC running in KISS mode. For use with packet-radio modems such as the Baycom kit and PacketMac Modem. Available on the HAMNET forum of Compuserve, America Online and via anonymous FTP from akutaktak.andrew.cmu.edu (/aw0g).

Virtuoso

Terminal program that works with TNCs to display packet, RTTY, AMTOR, and CW. Features a split screen and a type-ahead buffer. Includes a word search utility, a spelling checker, and a built-in scripting language for automating routine tasks. Shareware.

Available on America Online, GEnie, and Compuserve. Also available via anonymous FTP from ucsd.edu (/hamradio/packet/misc) and other sites.

Or send a formatted 800K Macintosh disk with a stamped, self-addressed disk mailer to James E. Van Peurse, KE0PH, Rural Route #2, Box 23, Orange City, IA 51041; Internet: jvp@cpre1.ee.iastate.edu.

A commercial version of the program with KISS support called Savant is now available. Contact the author for more information.

MacRatt with FAX

Terminal program for use with AEA's PK-232 multimode controller. Supports packet, CW, RTTY, AMTOR, and facsimile. Includes cable.

Advanced Electronic Applications, P.O. Box C-2160, Lynnwood, WA 98036.

--RTTY--

MacTTY

Decodes Baudot or ASCII transmissions. Can also be used for packet radio and other digital modes (including landline data communications). Includes split screen, a 15,000-character type-ahead buffer, and canned messages.

Summit Concepts, Suite 102-190, 1840 41st Ave., Capitola, CA 95010.

WeFaxWorks

Weather facsimile terminal program for use with Kantronics TNCs.
Kantronics rfconcepts, 1202 E. 23rd Street, Lawrence, KS 66046.

--Logging--

Ham Radio Station Logbook

HyperCard stack that stores and displays radio contact information. Automatically stamps entries with time and date. Contacts can be sorted by frequency, call sign, or date of contact. Includes report formats, a "Q-code" reference list, and on-line help.

SanSoft, 892 E. Quail Place, Highlands Ranch, CO 80126. (The same program appears to be available from Heizer Software, 1941 Oak Park Blvd., Suite 30, Pleasant Hill, CA 94523.)

FDLog!

Contact logging and duping program. Can transmit any of ten programmable CW messages. Generates real-time statistics on QSO rates.

System One Control, 3900 85th Ave N, Suite 200, Brooklyn Park, MN 55443.

MacContest

Allows real-time or post-contest logging of a wide variety of contests. Checks for dupes, figures scores instantly, and offers various printouts. Interfaces to TNCs for CW and RTTY contests, to DX packet clusters, to Kenwood transceivers, and to MacinTalk for easy post-contest entry.

Gerald Eberle, HB9CEY, P.O. Box 13, CH-4417 Ziefen, Switzerland.

LOGic

(Macintosh version scheduled.) Lets you define the rules determining dupes (such as once per band or once per contest). Displays heading, distance, and other information about the country being worked. Automatically enters contact time; if interfaced directly to a radio, also enters the frequency, band, and mode. Shows status toward earning amateur-radio awards. User-definable database fields. Exchanges data with other programs.

Personal Database Applications, 2634 Meadow Bend Court, Duluth, GA 30136.

--Propagation, gray line, DX headings--

DX Map

Displays a map of the world with the terminator. Gives location, prefixes, zone numbers, distance, and heading for any country you select. Freeware.

Requires HyperCard 2.0.

Available via anonymous FTP from [joker.optics.rochester.edu](ftp://joker.optics.rochester.edu) (in the /ham/dxmap directory). Or send a formatted 800K Macintosh disk with a stamped, self-addressed disk mailer to Len Saaf, NV2Z, 52 Raleigh Street, Rochester, NY 14620 (Internet: saaf@joker.optics.rochester.edu).

SatTrak

Primarily a satellite tracking program, but also calculates beam headings, Maidenhead grid locations, MUF plots, and band openings. Shareware.

Available via anonymous FTP from [sumex-aim.stanford.edu \(/info-mac/app\)](ftp://sumex-aim.stanford.edu/info-mac/app). Or send a formatted 800K or 14.MB Macintosh disk with stamped, self-addressed disk mailer to Mike Pflueger, WD8KPZ, 6207 W. Beverly Lane, Glendale, AZ 85306.

Sun Clock

Desk accessory. Displays a color map of the world, including the terminator. Indicates current time for any location.

MLT Software, Inc., P.O. Box 368, Portland, OR 97207.

DX Window

Draws a great-circle world map centered on your QTH, with day/night terminator indicated. Displays over 400 DX locations with prefixes and beam headings.

Engineering Systems, Inc., P.O. Box 939, Vienna, VA 22183.

Skycom 1.1

Enter solar flux and get propagation predictions to desired areas of the world.

Engineering Systems, Inc., P.O. Box 939, Vienna, VA 22183.

Skycom 1.5

Provides sunlight status at both ends of a path; MUF, F0F2, and FOT frequencies; S/N ratio of the link; and other information.

Engineering Systems, Inc., P.O. Box 939, Vienna, VA 22183.

DX Helper

Displays beam heading, distance, gray line, and propagation information. Generates great-circle maps. Identifies prefixes, zones, and oblasts. Includes code practice.

MacTrak Software, P.O. Box 1590, Port Orchard, WA 98336.

--Satellite tracking--

SatTrak

Tracks one satellite across a world map as it moves, displays the instantaneous position of several satellites, or generates tables of all satellites visible from a certain location at a given time. Also calculates beam headings, Maidenhead grid locations, and MUFs. Shareware.

Available via anonymous FTP from [sumex-aim.stanford.edu \(/info-mac/app\)](ftp://sumex-aim.stanford.edu/info-mac/app). Or send a formatted 800K Macintosh disk with stamped, self-addressed disk mailer to Mike Pflueger, WD8KPZ, 6207 W. Beverly Lane, Glendale, AZ 85306.

MacSat

Tracks up to 21 satellites simultaneously, either in simulation or real-time mode. Text screen displays ground-track coordinates, range, mean anomaly,

visibility (azimuth and elevation) and Doppler shift frequency information for all satellites being tracked. Graphical screen portrays the satellite ground tracks superimposed on a world map. Polar plot displays graphically the precise location of each visible satellite above the observer's horizon.

Developed by the Geodetic Research Laboratory of the University of New Brunswick.

Available from Richard B. Langley, R.R. 12, Fredericton, N.B. E3B 6H7, Canada.

OrbiTrack

Calculates look angles to selected satellites, plots current satellite positions on a world map, and displays the visible passage of a satellite against background stars (either within the program itself or via a data file that can be read into the Voyager astronomy program).

BEK Developers, P.O. Box 47114, St. Petersburg, FL 33743. (Bill Bard, CompuServe: 75366,2557) (Note: This replaces BEK's previous MacSat program, which was not related to the program of the same name from UNB.)

QuikMac

Macintosh version of N4HY's QuikTrak program. Requires Microsoft BASIC. AMSAT, P.O. Box 27, Washington, DC 20044.

Satellite Orbit Prediction Program

Macintosh conversion of W3IWI program. Requires Microsoft BASIC.

Send formatted 800K Macintosh disk with stamped, self-addressed disk mailer to Earl Skelton, N3ES, 6311 29th Place NW, Washington, DC 20015. Or send self-addressed stamped envelope for source listing.

Satellite Pro

Uses world maps and tables to indicate rising and setting schedules, current locations, mutual visibility opportunities, and footprints. Includes Mercator, polar, and great-circle displays. Optional antenna control.

MacTrak Software, P.O. Box 1590, Port Orchard, WA 98366.

--Antenna design--

MacMiniNEC

Chris Smolinski, N3JLY, 40 South Lake Way, Reisterstown, MD 21136.

--Radio control--

ICOM Radio Control

Provides a Macintosh interface for controlling ICOM transceivers that use the CI-V remote-control system. Lets you quickly change frequencies and modes. Also does logging and duping. Requires a CI-V to RS-422 converter (schematic included with program).

KE6FG Software, 9763 Pali Avenue, Tujunga, CA 91042.

--Ham radio BBSs--

Digikron Systems BBS

Various ham-related applications, including logging, propagation, Morse code, and packet. (408) 253-1309.

MacScience BBS

Various ham-related applications, including antenna design, propagation, WEFAX, packet, and Morse code. (408) 866-4933.

N8EMR BBS

Various ham-related files, including packet, DXing, and contesting software; AMSAT bulletins; and several ham newsletters. (614) 895-2553. Also available via FTP on AMPRnet at 44.70.0.1.

WB3FFV BBS

Various ham-related software, including packet, contesting, and Morse code applications. (410) 661-2475, 661-2598, and 661-2648.

ChowdaNet BBS

(more info at a later date)

--Online Services carrying Ham Radio software--

America Online

Supports Macintosh, PC-DOS/Windows clones, Apple //s Ham Radio Club (keyword = ham radio) supports all computer types. Software for amateur radio, scanners, swlers and general electronics. For 5 FREE hours of trial time send your snail mail address to tstader@aol.com This site NOT ftb'able. Internet e-mail.

CompuServe

Supports any communications software on most computers Ham Radio area (go hamnet) supports all types of communications formats. Call 1-800-848-8199 for information. This site NOT ftb'able. Internet e-mail.

GEnie

(more info at a later date)

Delphi

(more info at a later date)

=====

Misc. Internet FTP sites for Amateur Radio Macintosh software

joker.optics.rochester.edu (/ham)

sumex-aim.stanford.edu (/info-mac/app)

uxc.cso.uiuc.edu (/pub/ham-radio)

ucsd.edu (/hamradio/packet)
ftp.apple.com (/pub/ham-radio)

If you know of any other sites, please e-mail me info so I may keep this list as up to date as possible!

- Terry

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NOTE: Much of this work was done by Patti as she collected information from many vendors. I would like to keep this list as up to date as possible. Please feel free to drop me a note if you have any additional software to this list.

* Recompiled by Terry Stader - KA8SCP (tstader@aol.com) *
* Original list compiled by Patti Winter - N6BIS *
* New information last added 3/93 *
* some information not rechecked since early 1991. *

Date: 18 Mar 93 12:47:35 GMT
From: news-mail-gateway@ucsd.edu
Subject: Need QSL Info for V2/VE3BW
To: info-hams@ucsd.edu

Worked V2/VE3BW on 7.012 MHz on Jan 5, but QSL card bounced from callbook address and Marvin doesn't have anything. Anybody have a route?

steve - W3GRG
mosier@uncg.bitnet
mosier@iris.uncg.edu dit dit

Date: 18 Mar 93 11:38:12 GMT
From: news-mail-gateway@ucsd.edu
Subject: STS-55 SAREX Mission
To: info-hams@ucsd.edu

SB SAREX@AMSAT \$STS-55-002
STS-55 SAREX Mission

With only a few days before launch, the SAREX team is preparing for what promises to be the first of several SAREX flights planned for 1993.

The STS-55 Space Shuttle Columbia mission is currently

scheduled to be launched into a 28.5 degree orbit on Sunday March 21 at 14:52 UTC. A 2.5 hour launch window is planned. The STS-55 mission, designated SL-D2 (Spacelab Deutsche-2), represents the second in a series of dedicated flights for Germany. The primary goals of the mission are to perform studies in materials and life science research. A 9 day flight is planned.

The seven person crew on STS-55 includes ham radio operators Steve Nagel, N5RAW, Jerry Ross, N5SCW, Charlie Precourt, KB5YSQ, Hans Schlegel, DG1KIH and Ulrich Walter, DG1KIM. SAREX operations planned on this flight includes 2-meter voice and packet. The primary voice callsign will be N5RAW. The packet radio callsign is W5RRR-1.

The 2-meter FM voice and packet downlinks for the SAREX station are on 145.55 MHz.

Uplinks are:	Voice	Packet
Europe	144.80 144.75 144.70	144.49
Rest of World	144.99 144.97 144.95 144.93 144.91	144.49

Note: The crew will not favor any specific voice uplink frequency, so your ability to communicate with SAREX will be the "luck of the draw."

For all operations, Earth stations should listen to the downlink frequency and transmit only when the Shuttle is in range and the astronauts are on the air. Listen for any instructions from the astronauts as to specific uplink frequencies in use during the current pass. Also, listen to the uplink frequencies before transmitting to avoid interference to other users.

In addition to the U.S. SAREX ham gear in the Shuttle mid-deck, an additional ham radio station will be flown in the German spacelab module. This station, designated SAFEX (for Spacelab Amateurfunk-Experiment), includes a 2-meter FM

downlink and a 70-cm FM uplink capability. A dual band (2-meter/70-cm) external antenna, mounted on the German spacelab module, will be used for SAFEX contacts. Payload Specialists Schlegel and Walter expect to make a few scheduled contacts with European schools with this equipment.

The externally mounted SAFEX antenna gives the SAREX team an opportunity to compare the performance of the U.S. SAREX window mounted antenna to an externally mounted antenna. A special A/B antenna test is planned on orbits 61 and 62 using the normal SAREX downlink frequency, 145.55 MHz. During orbit 61 the crew will transmit using the SAREX window antenna and on orbit 62 the crew will use the SAFEX external antenna. Individuals in the Southeastern U.S. are welcome to help participate in this test by taking signal strength readings of the received signal for both orbit passes. If the shuttle is well above your horizon (>10 degrees) for both passes, see page 42 of the February, 1993 QST to learn more details.

The following represents the prelaunch Keplerian Element Set as generated by Gil Carman, WA5NOM.

STS-55

1	00055U	93080.67000478	.00120200	00000-0	36300-3 0	49
2	00055	28.4697	233.5969	0003812	314.2100 45.8202 15.90487610	24

Satellite: STS-55

Catalog number: 00055

Epoch time: 93080.67000478 =====> (21 MAR 93 16:04:48.41 UTC)

Element set: JSC-004

Inclination: 28.4697 deg

RA of node: 233.5969 deg Space Shuttle Flight STS-55

Eccentricity: .0003812 Prelaunch Keplerian Elements

Arg of perigee: 314.2100 deg Launch: 21 MAR 93 14:52 UTC

Mean anomaly: 45.8202 deg

Mean motion: 15.90487610 rev/day G. L. Carman

Decay rate: 1.2020e-03 rev/day*2 NASA Johnson Space Center

Epoch rev: 2

Submitted by Frank H. Bauer, KA3HDO, AMSAT V.P. for Manned Space Programs

/EX

End of Info-Hams Digest V93 #340
